

774

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Ser Val Gln Lys Pro Leu Leu Tyr Tyr Asp Asn Asn Val Ile Gly Thr
 35 40 45

Ile Asn Leu Leu Glu Val Met Ser Val His Gly Cys Lys Lys Leu Val
 50 55 60

Phe Ser Ser Ser Ala Ala Val Tyr Gly Ser Pro Lys Asn Ser Pro Cys
 65 70 75 80

Thr Glu Asn Phe Pro Leu Thr Pro Asn Asn Pro Tyr Gly Lys Thr Lys
 85 90 95

Leu Val Val Glu Asp Ile Cys Arg Asp Ile Tyr Arg Ser Asp Pro Glu
 100 105 110

Trp Lys Ile Ile Leu Leu Arg Tyr Phe Asn Pro Val Gly Ala His Pro
 115 120 125

Ser Gly Tyr Leu Gly Glu Asp Pro Arg Xaa Ile Pro Asn Asn Leu Met
 130 135 140

Pro Tyr Val Gln Gln Val Ala Val Gly Lys Xaa Pro Ala Leu Thr Val
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Leu Xaa Asn Asp Tyr Ala Thr Arg Asp
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 <213> Oryza sativa

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Leu Asp Asn Ala Ser Glu Leu Ala Ile Leu Arg Val Arg Glu Leu Ala
 35 40 45

Gly His Asn Ala Asn Asn Leu Asp Phe Arg Lys Gly Asp Leu Arg Asp
 50 55 60

Lys Gln Ala Leu Xaa Gln Ile Phe Ser Ser Gln Lys Val Glu Xaa Val
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Ile Gln Phe Ala Gly Leu Lys Thr Val Gly Glu Xaa Val Lys Asn Pro
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Xaa Phe Tyr

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<213> Glycine max

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Ile Gly Thr His Thr Val Val Xaa Leu Leu Lys Ala Gly Phe Ser Val
    20          25          30

Ser Ile Ile Asp Asn Phe Asp Asn Ser Val Met Glu Ala Met Asp Arg
    35          40          45

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Val Arg Gln Val Val Gly Pro Leu Leu Ser Gln Asn Leu Gln Phe Thr
50 55 60

Gln Gly Asp Leu Arg Asn Arg Asp Asp Leu Glu Lys Leu Phe Ser Lys
65 70 75 80

Thr Thr Phe Asp Ala Val Ile His Phe Ala Gly Leu Lys Ala Val Ala
85 90 95

Glu Ser Val Ala Lys Pro Arg Arg Tyr Phe Asp Phe Asn Leu Xaa Gly
100 105 110

Thr Xaa Asn Leu Tyr Glu Phe Met Xaa Lys Tyr Asn Cys Lys Lys Met
115 120 125

Gly Phe Ser Ser Ser Ala Thr Val Tyr Gly Gln Xaa Glu Lys Ile Pro
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Cys Glu Glu Asp
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<211> 520

<212> DNA

<213> Triticum aestivum

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<211> 162

<212> PRT

<213> Triticum aestivum

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Gln Leu Leu Glu Lys Gly Tyr Ala Val Thr Ala Val Asp Asn Phe His
20 25 30

Asn Ser Val Pro Glu Ala Leu Asp Arg Val Arg His Ile Val Gly Pro
35 40 45

Ala Leu Ser Ala Arg Leu Gln Phe Ile Phe Gly Asp Leu Thr Ile Lys
50 55 60

Asp Asp Leu Glu Lys Val Phe Ala Ala Lys Lys Tyr Asp Ala Val Ile
65 70 75 80

His Phe Ala Gly Leu Lys Ala Val Ala Glu Ser Val Ala His Pro Glu
85 90 95

Met Tyr Asn Arg Asn Asn Ile Val Gly Thr Val Asn Leu Tyr Asp Val
100 105 110

Met Lys Lys His Gly Cys Asn Lys Leu Val Phe Ser Ser Ser Ala Thr
115 120 125

Val Tyr Gly Gln Pro Glu Lys Val Pro Cys Phe Glu Asp Ser Pro Leu
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Lys Ala Leu Asn Pro Tyr Gly Arg Thr Lys Leu Tyr Trp Arg Arg Ser
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Ala Arg

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<213> Zea mays

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<213> Zea mays

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Ala His Pro Glu Met Tyr Tyr Glu Asn Asn Leu Ile Gly Thr Ile Asn
20 25 30

Leu Tyr Lys Ser Met Lys Glu His Gly Cys Lys Lys Leu Val Phe Ser
35 40 45

Ser Ser Ala Thr Val Tyr Gly Trp Pro Glu Val Ile Pro Cys Val Glu
50 55 60

Asp Ser Lys Leu Gln Ala Ala Asn Pro Tyr Gly Arg Thr Lys Leu Ile
65 70 75 80

Leu Glu Asp Met Ala Arg Asp Tyr His Arg Ala Asp Thr Glu Trp Ser
85 90 95

Ile Val Leu Leu Arg Tyr Phe Asn Pro Ile Gly Ala His Ser Ser Gly
100 105 110

Xaa Ile Xaa Arg Gly Pro Gln Gly Asp Thr Glu Gln Pro Ala Ala Leu
115 120 125

His Pro Ala Gly Xaa Arg Arg Xaa Ala Pro Arg Ala Gln Arg Leu Arg
130 135 140

Xaa Thr Ile Thr Pro Pro Gly Asp Gly Thr Ala Ile Arg Asp Tyr Ile
145 150 155 160

His Val Val Glu Leu Ala Asp Gly His Ile Ala Arg Ala Xaa Glu Leu
165 170 175

Xaa Asp Ser Pro Asp Ile Ser Cys Val Gly Tyr Asn Leu Gly Val Gln
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Gly Arg Arg Xaa Xaa
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210> 11
211> 300
212> DNA
213> Oryza sativa

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agangatagt gttctcgctcg tnggcacng tgcncggcca gccganaag accccctgctg 240
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<213> Oryza sativa

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Asp Leu Lys Asp Arg Xaa Asn Trp Asn Lys Cys Tyr Ala Ala Lys Arg
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Tyr Asp Ala Val Ile His Phe Ala Gly Leu Lys Xaa Trp Gly Arg Ala
20 25 30

Ser Arg Asn Pro Gln Met Tyr Tyr Glu Asp Asn Val Ala Gly Thr Met
35 40 45

Asn Leu Xaa Ser Ala Leu Thr Lys Tyr Gly Xaa Xaa Xaa Ile Val Phe
50 55 60

Ser Ser Xaa Ala Thr Val Xaa Gly Gln Pro Xaa Lys Thr Pro Cys Val
65 70 75 80

Glu Xaa Ser Xaa Leu Ser Ala Leu Asn Pro Tyr Gly Ala Xaa Xaa Leu
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Val Leu Glu

<210> 13

<211> 1312

<212> DNA

<213> Glycine max

<400> 13

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<213> Glycine max

<400> 14

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Ser Ile Ile Asp Asn Phe Asp Asn Ser Val Met Glu Ala Val Asp Arg
35 40 45

Val	Arg	Gln	Val	Val	Gly	Pro	Leu	Leu	Ser	Gln	Asn	Leu	Gln	Phe	Thr
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Gln	Gly	Asp	Leu	Arg	Asn	Arg	Asp	Asp	Leu	Glu	Lys	Leu	Phe	Ser	Lys
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Thr	Thr	Phe	Asp	Ala	Val	Ile	His	Phe	Ala	Gly	Leu	Lys	Ala	Val	Ala
		85						90						95	
Glu	Ser	Val	Ala	Lys	Pro	Arg	Arg	Tyr	Phe	Asp	Phe	Asn	Leu	Val	Gly
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Thr	Ile	Asn	Leu	Tyr	Glu	Phe	Met	Ala	Lys	Tyr	Asn	Cys	Lys	Lys	Met
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Glu	Trp	Lys	Ile	Ile	Leu	Leu	Arg	Tyr	Phe	Asn	Pro	Val	Gly	Ala	His
		180					185							190	
Glu	Ser	Gly	Lys	Leu	Gly	Glu	Asp	Pro	Lys	Gly	Ile	Pro	Asn	Asn	Leu
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		245					250							255	
Lys	Leu	Phe	Thr	Thr	Glu	Asn	Ile	Gly	Cys	Thr	Ala	Tyr	Asn	Leu	Gly
		260				265								270	
Thr	Gly	Arg	Gly	Thr	Ser	Val	Leu	Glu	Met	Val	Thr	Ala	Phe	Glu	Lys
		275				280								285	
Ala	Ser	Gly	Lys	Lys	Ile	Pro	Val	Lys	Leu	Cys	Pro	Arg	Arg	Pro	Gly
		290				295								300	
Asp	Ala	Thr	Glu	Val	Tyr	Ala	Ser	Thr	Glu	Arg	Ala	Glu	Lys	Glu	Leu
		305			310				315					320	
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		325				330								335	
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<212> DNA
 <213> Triticum aestivum

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<210> 16
 <211> 352
 <212> PRT
 <213> Triticum aestivum

<400> 16

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His Thr Val Leu Gln Leu Leu Glu Lys Gly Tyr Ala Val Thr Ala Val
 20 25 30

Asp Asn Phe His Asn Ser Val Pro Glu Ala Leu Asp Arg Val Arg His
 35 40 45

Ile Val Gly Pro Ala Leu Ser Ala Arg Leu Gln Phe Ile Phe Gly Asp
 50 55 60

Leu Thr Ile Lys Asp Asp Leu Glu Lys Val Phe Ala Ala Lys Lys Tyr
 65 70 75 80

Asp Ala Val Ile His Phe Ala Gly Leu Lys Ala Val Ala Glu Ser Val
 85 90 95

Ala His Pro Glu Met Tyr Asn Arg Asn Asn Ile Val Gly Thr Val Asn
100 105 110

Leu Tyr Asp Val Met Lys Lys His Gly Cys Asn Lys Leu Val Phe Ser
115 120 125

Ser Ser Ala Thr Val Tyr Gly Gln Pro Glu Lys Val Pro Cys Phe Glu
130 135 140

Asp Ser Pro Leu Lys Ala Leu Asn Pro Tyr Gly Arg Thr Lys Leu Tyr
145 150 155 160

Leu Glu Glu Met Leu Arg Asp Tyr Gln His Ala Asn Pro Glu Trp Arg
165 170 175

Thr Ile Leu Leu Arg Tyr Phe Asn Pro Ile Gly Ala His Glu Ser Gly
180 185 190

Asp Ile Gly Glu Asp Pro Lys Gly Val Pro Asn Asn Leu Leu Pro Tyr
195 200 205

Ile Gln Gln Val Ala Val Ala Arg Arg Pro Glu Leu Asn Val Tyr Gly
210 215 220

His Asp Tyr Arg Thr Arg Asp Gly Thr Ala Val Arg Asp Tyr Ile His
225 230 235 240

Val Val Asp Leu Ala Asp Gly His Ile Ala Ala Leu Glu Lys Leu Phe
245 250 255

Ala Thr Pro Asp Ile Gly Cys Val Ala Tyr Asn Leu Gly Thr Gly Arg
260 265 270

Gly Thr Thr Val Leu Glu Met Val Ser Ala Phe Glu Lys Ala Tyr Gly
275 280 285

Lys Lys Ile Pro Val Lys Met Cys Pro Arg Arg Pro Gly Asp Ser Glu
290 295 300

Gln Val Tyr Ala Ser Thr Ala Lys Ala Glu Glu Leu Gly Trp Arg
305 310 315 320

Ala Lys Tyr Gly Ile Glu Glu Met Cys Arg Asp Gln Trp Asn Trp Ala
325 330 335

Lys Lys Asn Pro Tyr Gly Tyr Cys Gly Asn Ala Ala Glu Asn Lys Asp
340 345 350

<210> 17

<211> 1393

<212> DNA

<213> Zea mays

<400> 17

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acggttgcaa gaagttggtg ttctcatcat cagctgcagt ttatggatca cccaaaaact 240
caccctgcac agaaaatttt cctcttactc caaacaatcc atatggcaa acaaagctcg 300
ttgttgaaga tatttgccgg gatatctacc gttcagatcc tgaatggaag atcattttac 360

ttaggtactt caatccagg ggtgctcatc ctagtgata tcttggcgag gacccacgag 420
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 gcatagggtg tgaagcgtac aaccttgaa ccggaagagg tacatctgtg ctggagattg 660
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 <211> 353
 <212> PRT
 <213> Zea mays

<400> 18
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Gly	Glu	Ser	Val	Gln	Lys	Pro	Leu	Leu	Tyr	Tyr	Asp	Asn	Asn	Val	Ile
35								40							45

Gly	Thr	Ile	Asn	Leu	Leu	Glu	Val	Met	Ser	Val	His	Gly	Cys	Lys	Lys
50								55							60

Leu	Val	Phe	Ser	Ser	Ser	Ala	Ala	Val	Tyr	Gly	Ser	Pro	Lys	Asn	Ser
65								70				75			80

Pro	Cys	Thr	Glu	Asn	Phe	Pro	Leu	Thr	Pro	Asn	Asn	Pro	Tyr	Gly	Lys
85									90						95

Thr	Lys	Leu	Val	Val	Glu	Asp	Ile	Cys	Arg	Asp	Ile	Tyr	Arg	Ser	Asp
100								105							110

Pro	Glu	Trp	Lys	Ile	Ile	Leu	Leu	Arg	Tyr	Phe	Asn	Pro	Val	Gly	Ala
115								120							125

His	Pro	Ser	Gly	Tyr	Leu	Gly	Glu	Asp	Pro	Arg	Gly	Ile	Pro	Asn	Asn
130								135							140

Leu	Met	Pro	Tyr	Val	Gln	Gln	Val	Ala	Val	Gly	Arg	Arg	Pro	Ala	Leu
145								150				155			160

Thr	Val	Leu	Gly	Asn	Asp	Tyr	Ala	Thr	Arg	Asp	Gly	Thr	Gly	Val	Arg
165									170						175

Asp	Tyr	Ile	His	Val	Val	Asp	Leu	Ala	Asp	Gly	His	Ile	Ala	Ala	Leu
180								185							190

Gln Lys Leu Phe Glu Asn Ser Ser Ile Gly Cys Glu Ala Tyr Asn Leu
195 200 205

Gly Thr Gly Arg Gly Thr Ser Val Leu Glu Ile Val Lys Ala Phe Glu
210 215 220

Lys Ala Ser Gly Lys Lys Ile Pro Leu Ile Phe Gly Glu Arg Arg Pro
225 230 235 240

Gly Asp Ala Glu Ile Leu Phe Ser Glu Thr Thr Lys Ala Glu Arg Glu
245 250 255

Leu Asn Trp Lys Ala Lys Tyr Gly Ile Glu Glu Met Cys Arg Asp Gln
260 265 270

Trp Asn Trp Ala Ser Lys Asn Pro Tyr Gly Tyr Gly Ser Pro Asp Ser
275 280 285

Ile Lys Gln Asn Gly His Gln Thr Asn Gly Ser Ala Asp Ser Ser Lys
290 295 300

Gln Asn Gly His Arg Thr Asn Gly Ser Thr Asp Ser Pro Lys Arg Asn
305 310 315 320

Gly His His Ala Tyr Gly Ser Ala Asp Ser Pro Lys Arg Asn Gly His
325 330 335

Cys Val Phe Gly Ser Ser Asp Leu Lys Pro Asn Gly Asn Gly His Leu
340 345 350

Arg

<210> 19

<211> 1498

<212> DNA

<213> Oryza sativa

<400> 19

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<210> 20
 <211> 354
 <212> PRT
 <213> Oryza sativa

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Tyr Ile Gly Ser His Thr Val Leu Gln Leu Leu Gln Leu Gly Phe Arg
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Val Val Val Leu Asp Asn Leu Asp Asn Ala Ser Glu Leu Ala Ile Leu
 35 40 45

Arg Val Arg Glu Leu Ala Gly His Asn Ala Asn Asn Leu Asp Phe Arg
 50 55 60

Lys Val Asp Leu Arg Asp Lys Gln Ala Leu Asp Gln Ile Phe Ser Ser
 65 70 75 80

Gln Arg Phe Glu Alà Val Ile His Phe Ala Gly Leu Lys Ala Val Gly
 85 90 95

Glu Ser Val Gln Lys Pro Leu Leu Tyr Tyr Asp Asn Asn Leu Ile Gly
 100 105 110

Thr Ile Thr Leu Leu Gln Val Met Ala Ala His Gly Cys Thr Lys Leu
 115 120 125

Val Phe Ser Ser Ser Ala Thr Val Tyr Gly Trp Pro Lys Glu Val Pro
 130 135 140

Cys Thr Glu Glu Ser Pro Leu Cys Ala Met Asn Pro Tyr Gly Arg Thr
 145 150 155 160

Lys Leu Val Ile Glu Asp Met Cys Arg Asp Leu His Ala Ser Asp Pro
 165 170 175

Asn Trp Lys Ile Ile Leu Leu Arg Tyr Phe Asn Pro Val Gly Ala His
 180 185 190

Pro Ser Gly Tyr Ile Gly Glu Asp Pro Cys Gly Ile Pro Asn Asn Leu
 195 200 205

Met Pro Phe Val Gln Gln Val Ala Val Gly Arg Arg Pro Ala Leu Thr
 210 215 220

Val Tyr Gly Thr Asp Tyr Asn Thr Lys Asp Gly Thr Gly Val Arg Asp
 225 230 235 240

Tyr Ile His Val Val Asp Leu Ala Asp Gly His Ile Ala Ala Leu Arg
 245 250 255

Lys Leu Tyr Glu Asp Ser Asp Arg Ile Gly Cys Glu Val Tyr Asn Leu
260 265 270

Gly Thr Gly Lys Gly Thr Ser Val Leu Glu Met Val Ala Ala Phe Glu
275 280 285

Lys Ala Ser Gly Lys Lys Ile Pro Leu Val Phe Ala Gly Arg Arg Pro
290 295 300

Gly Asp Ala Glu Ile Val Tyr Ala Gln Thr Ala Lys Ala Glu Lys Glu
305 310 315 320

Leu Lys Trp Lys Ala Lys Tyr Gly Val Glu Glu Met Cys Arg Asp Leu
325 330 335

Trp Asn Trp Ala Ser Lys Asn Pro Tyr Gly Tyr Gly Ser Pro Asp Ser
340 345 350

Ser Asn

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<211> 1532
<212> DNA
<213> Glycine max

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tccccctact ttgcgtcacc acttaagatt tccaacaacc cctctctgca aaacgcttcg 180
cataaggtagtac ttatgcgcga taagactgta ctggtaaccg gcggagccgg ttacatcg 240
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gaaaattccct ccgagggttgc catccacaga gtcagggagc tcgcggcga atttgggaaac 360
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caaaaaacctt tactatacta taacaacaac ttgactggga caatcactct attggaagtc 540
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ccaaaggagg ttccatgcac agaagagttc cctctgtcag caatgaaccc atatggacga 660
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<211> 349
<212> PRT
<213> Glycine max

<400> 22
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 35 40 45
 Glu Leu Ala Gly Glu Phe Gly Asn Asn Leu Ser Phe His Lys Val Asp
 50 55 60
 Leu Arg Asp Arg Ala Ala Leu Asp Gln Ile Phe Ser Ser Thr Gln Phe
 65 70 75 80
 Asp Ala Val Ile His Phe Ala Gly Leu Lys Ala Val Gly Glu Ser Val
 85 90 95
 Gln Lys Pro Leu Leu Tyr Tyr Asn Asn Asn Leu Thr Gly Thr Ile Thr
 100 105 110
 Leu Leu Glu Val Met Ala Ala His Gly Cys Lys Lys Leu Val Phe Ser
 115 120 125
 Ser Ser Ala Thr Val Tyr Gly Trp Pro Lys Glu Val Pro Cys Thr Glu
 130 135 140
 Glu Phe Pro Leu Ser Ala Met Asn Pro Tyr Gly Arg Thr Lys Leu Ile
 145 150 155 160
 Ile Glu Glu Ile Cys Arg Asp Val His Cys Ala Glu Pro Asp Cys Lys
 165 170 175
 Ile Ile Leu Leu Arg Tyr Phe Asn Pro Val Gly Ala His Pro Ser Gly
 180 185 190
 Tyr Ile Gly Glu Asp Pro Arg Gly Ile Pro Asn Asn Leu Met Pro Phe
 195 200 205
 Val Gln Gln Val Ala Val Gly Arg Arg Pro Ala Leu Thr Val Phe Gly
 210 215 220
 Asn Asp Tyr Asn Thr Ser Asp Gly Thr Gly Val Arg Asp Tyr Ile His
 225 230 235 240
 Val Val Asp Leu Ala Asp Gly His Ile Ala Ala Leu Leu Lys Leu Asp
 245 250 255
 Glu Pro Asn Ile Gly Cys Glu Val Tyr Asn Leu Gly Thr Gly Lys Gly
 260 265 270
 Thr Ser Val Leu Glu Met Val Arg Ala Phe Glu Met Ala Ser Gly Lys
 275 280 285
 Lys Ile Pro Leu Val Met Ala Gly Arg Arg Pro Gly Asp Ala Glu Ile
 290 295 300
 Val Tyr Ala Ser Thr Lys Lys Ala Glu Arg Glu Leu Lys Trp Lys Ala
 305 310 315 320

Lys Tyr Gly Ile Asp Glu Met Cys Arg Asp Gln Trp Asn Trp Ala Ser
325 330 335

Lys Asn Pro Tyr Gly Tyr Gly Asp Gln Gly Ser Thr Asp
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<210> 23
<211> 490
<212> DNA
<213> *Triticum aestivum*

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aagaagtatac tttttcgng cttattatta anaattaact atagtatatt attgagtc 360
caaattaaat gttgattnnnt ccgtccgtcc cggccgtcgt gccagccanc canccgtntc 420
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<210> 24
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<212> PRT
<213> Triticum aestivum

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Leu Gln Gly Phe Arg Val Leu Val Val Asp Ser Leu Asp Asn Ala Ser
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Glu Glu Ala Ile Arg Arg Val Arg Gln Leu Ala Asn Ala Pro Gln Xaa
35 40 45

Ser Leu Asp Phe Arg Lys Val Asp Leu Arg Asp Lys Xaa Ala Leu Asp
50 55 60

Gln Ile Phe Ser Ser Gln Arg Tyr Leu Xaa Leu Phe Ser Ala Lys Lys
65 70 75 80

Lys Tyr Leu Phe Ser Xaa Leu Leu Xaa Ile Asn Tyr Ser Ile Leu
85 90 95

Leu Ser Pro Gln Ile Lys Cys
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<210> 25
<211> 350
<212> PRT
<213> Pisum sativum

<400> 25
Met Val Ala Ser Ser Gln Lys Ile Leu Val Thr Gly Ser Ala Gly Phe
1 5 10 15

Ile Gly Thr His Thr Val Val Gln Leu Leu Asn Asn Gly Phe Asn Val
20 25 30

Ser Ile Ile Asp Asn Phe Asp Asn Ser Val Met Glu Ala Val Glu Arg
35 40 45

Val Arg Glu Val Val Gly Ser Asn Leu Ser Gln Asn Leu Glu Phe Thr
50 55 60

Leu Gly Asp Leu Arg Asn Lys Asp Asp Leu Glu Lys Leu Phe Ser Lys
65 70 75 80

Ser Lys Phe Asp Ala Val Ile His Phe Ala Gly Leu Lys Ala Val Gly
85 90 95

Glu Ser Val Glu Asn Pro Arg Arg Tyr Phe Asp Asn Asn Leu Val Gly
100 105 110

Thr Ile Asn Leu Tyr Glu Val Met Ala Lys His Asn Cys Lys Lys Met
115 120 125

Val Phe Ser Ser Ser Ala Thr Val Tyr Gly Gln Pro Glu Lys Ile Pro
130 135 140

Cys Val Glu Asp Phe Lys Leu Gln Ala Met Asn Pro Tyr Gly Arg Thr
 145 150 155 160
 Lys Leu Phe Leu Glu Glu Ile Ala Arg Asp Ile Gln Lys Ala Glu Pro
 165 170 175
 Glu Trp Arg Ile Val Leu Leu Arg Tyr Phe Asn Pro Val Gly Ala His
 180 185 190
 Glu Ser Gly Lys Leu Gly Glu Asp Pro Arg Gly Ile Pro Asn Asn Leu
 195 200 205
 Met Pro Tyr Ile Gln Gln Val Ala Val Gly Arg Leu Pro Glu Leu Asn
 210 215 220
 Val Tyr Gly His Asp Tyr Pro Thr Arg Asp Gly Ser Ala Ile Arg Asp
 225 230 235 240
 Tyr Ile His Val Met Asp Leu Ala Asp Gly His Ile Ala Ala Leu Arg
 245 250 255
 Lys Leu Phe Thr Ser Glu Asn Ile Gly Cys Thr Ala Tyr Asn Leu Gly
 260 265 270
 Thr Gly Arg Gly Ser Ser Val Leu Glu Met Val Ala Ala Phe Glu Lys
 275 280 285
 Ala Ser Gly Lys Lys Ile Ala Leu Lys Leu Cys Pro Arg Arg Pro Gly
 290 295 300
 Asp Ala Thr Glu Val Tyr Ala Ser Thr Ala Lys Ala Glu Lys Glu Leu
 305 310 315 320
 Gly Trp Lys Ala Lys Tyr Gly Val Glu Glu Met Cys Arg Asp Gln Trp
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 340 345 350
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 <211> 350
 <212> PRT
 <213> Cyamopsis tetragonoloba
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 35 40 45
 Glu Leu Ala Gly Lys Phe Ala Gly Asn Leu Ser Phe His Lys Leu Asp
 50 55 60
 Leu Arg Asp Arg Asp Ala Leu Glu Lys Ile Phe Ser Ser Thr Lys Phe
 65 70 75 80

Asp Ser Val Ile His Phe Ala Gly Leu Lys Ala Val Gly Glu Ser Val
 85 90 95

 Gln Lys Pro Leu Leu Tyr Tyr Asp Asn Asn Leu Ile Gly Thr Ile Val
 100 105 110

 Leu Phe Glu Val Met Ala Ala His Gly Cys Lys Lys Leu Val Phe Ser
 115 120 125

 Ser Ser Ala Thr Val Tyr Gly Leu Pro Lys Glu Val Pro Cys Thr Glu
 130 135 140

 Glu Phe Pro Leu Ser Ala Ala Asn Pro Tyr Gly Arg Thr Lys Leu Ile
 145 150 155 160

 Ile Glu Glu Ile Cys Arg Asp Ile Tyr Arg Ala Glu Gln Glu Trp Lys
 165 170 175

 Ile Ile Leu Leu Arg Tyr Phe Asn Pro Val Gly Ala His Pro Ser Gly
 180 185 190

 Tyr Ile Gly Glu Asp Pro Arg Gly Ile Pro Asn Asn Leu Met Pro Phe
 195 200 205

 Val Gln Gln Val Ala Val Gly Arg Arg Pro Ala Leu Thr Val Phe Gly
 210 215 220

 Asn Asp Tyr Thr Thr Ser Asp Gly Thr Gly Val Arg Asp Tyr Ile His
 225 230 235 240

 Val Val Asp Leu Ala Asp Gly His Ile Ala Ala Leu Arg Lys Leu Asn
 245 250 255

 Asp Pro Lys Ile Gly Cys Glu Val Tyr Asn Leu Gly Thr Gly Lys Gly
 260 265 270

 Thr Ser Val Leu Glu Met Val Lys Ala Phe Glu Gln Ala Ser Gly Lys
 275 280 285

 Lys Ile Pro Leu Val Met Ala Gly Arg Arg Pro Gly Asp Ala Glu Val
 290 295 300

 Val Tyr Ala Ser Thr Asn Lys Ala Glu Arg Glu Leu Asn Trp Lys Ala
 305 310 315 320

 Lys Tyr Gly Ile Asp Glu Met Cys Arg Asp Gln Trp Asn Trp Ala Ser
 325 330 335

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